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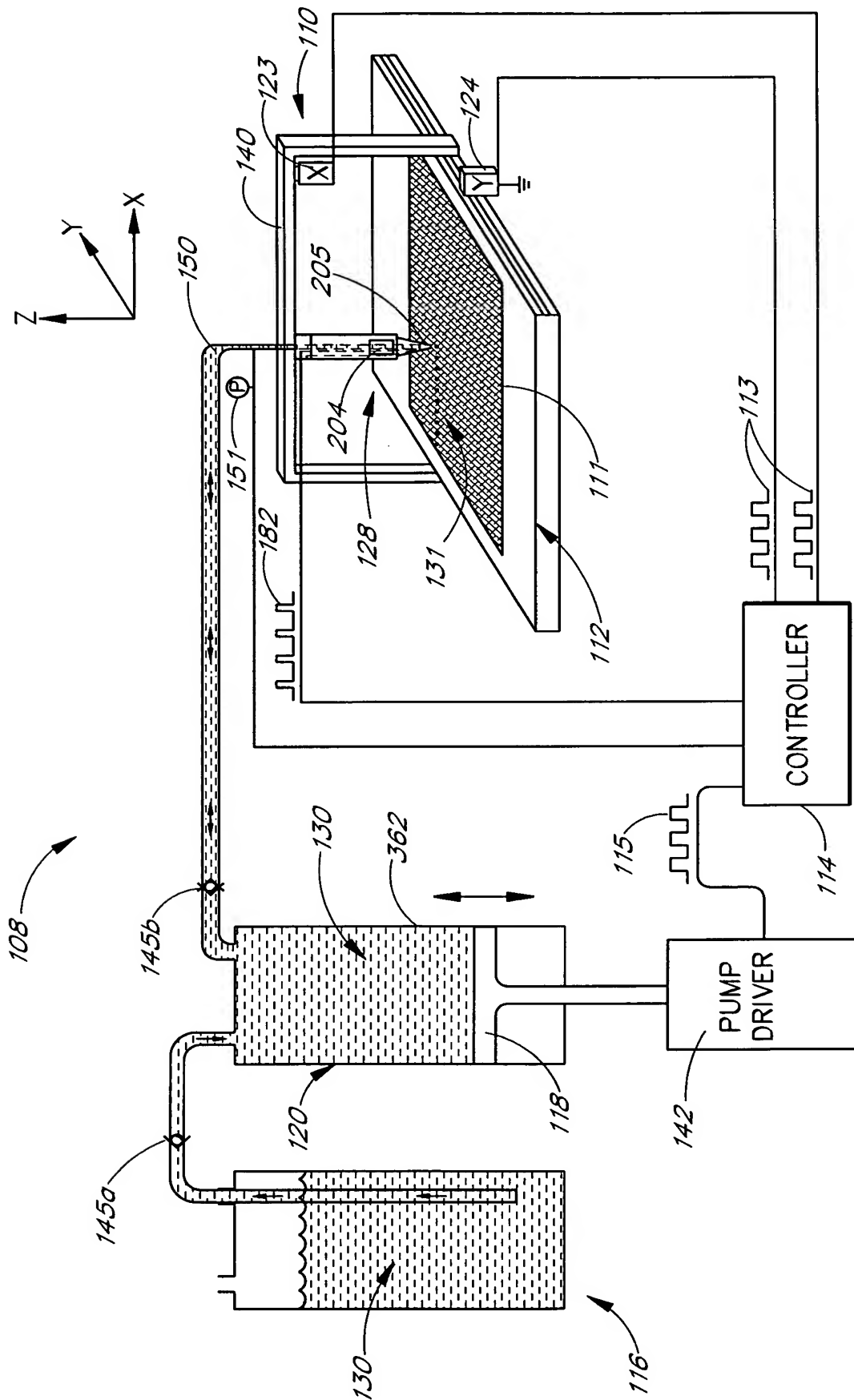
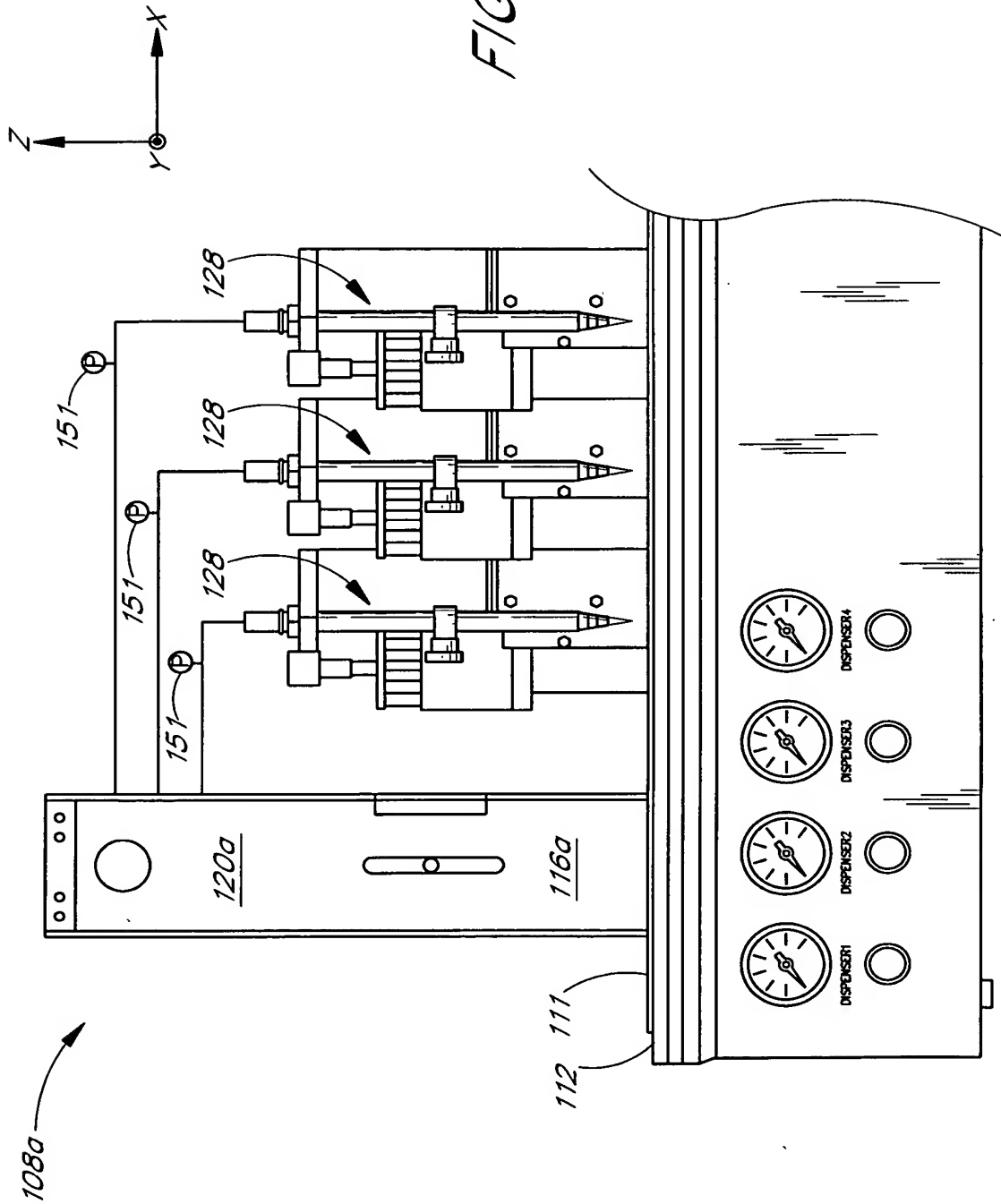


FIG. 1

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FIG. 2A



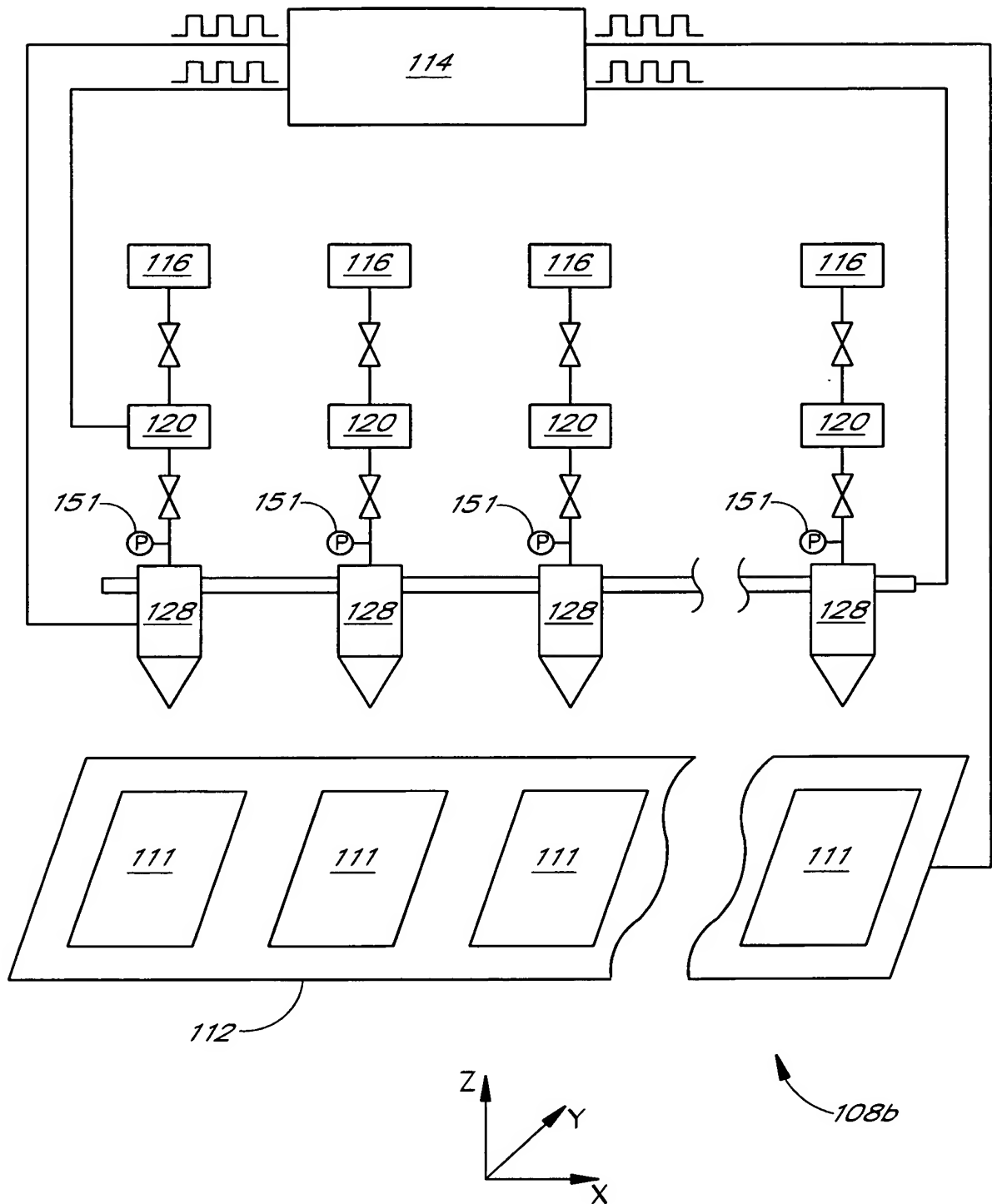
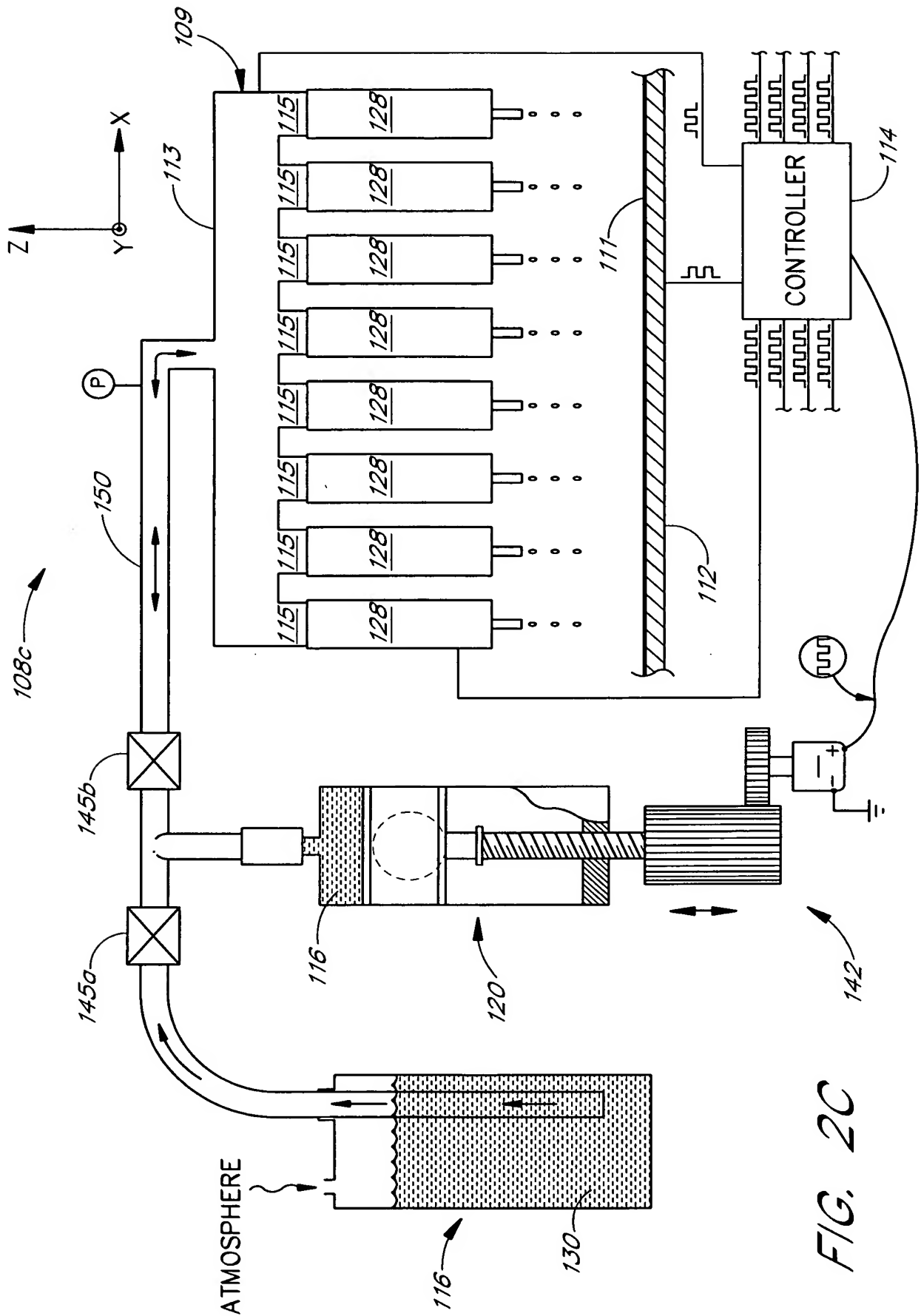


FIG. 2B

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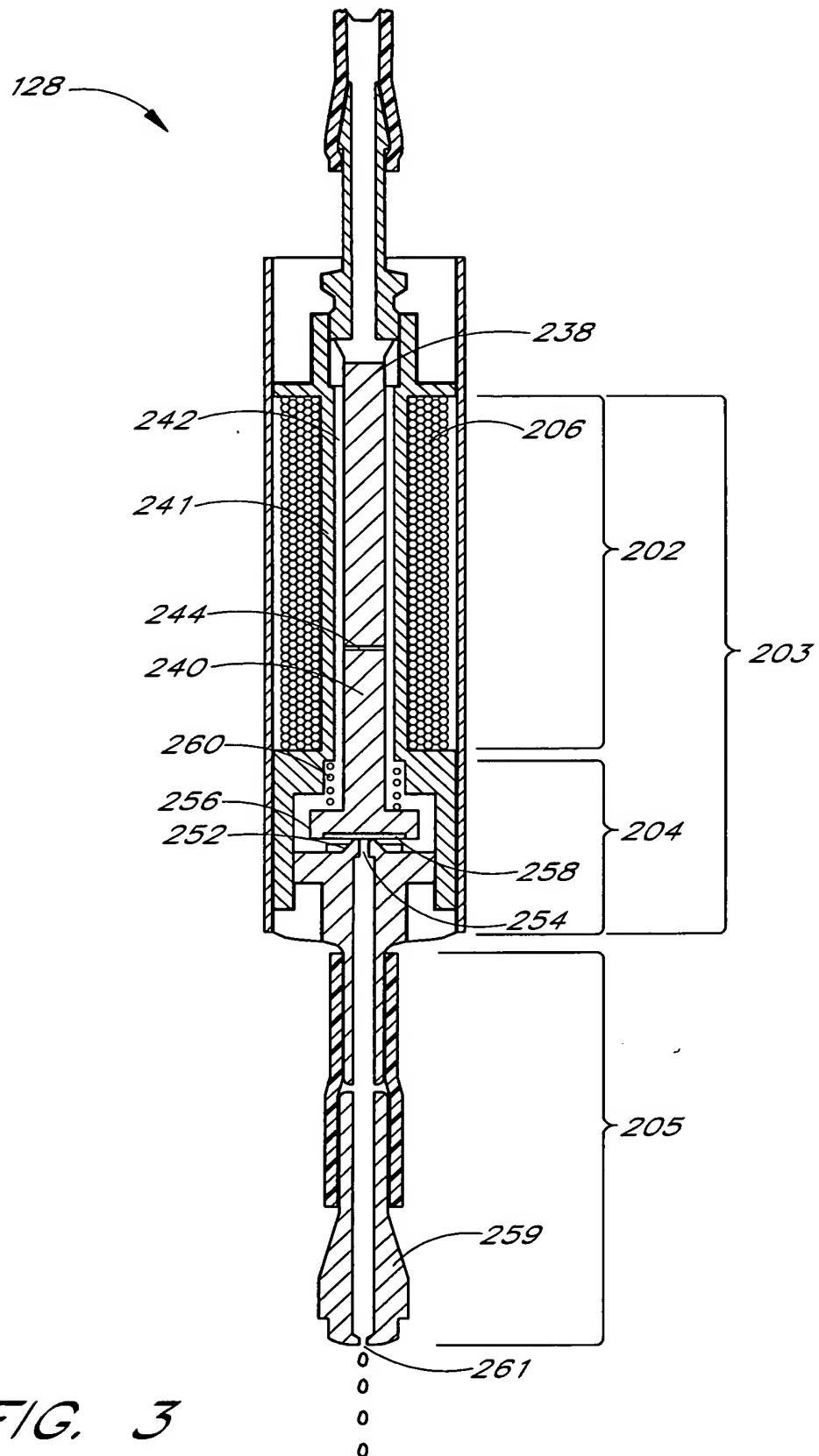


FIG. 3

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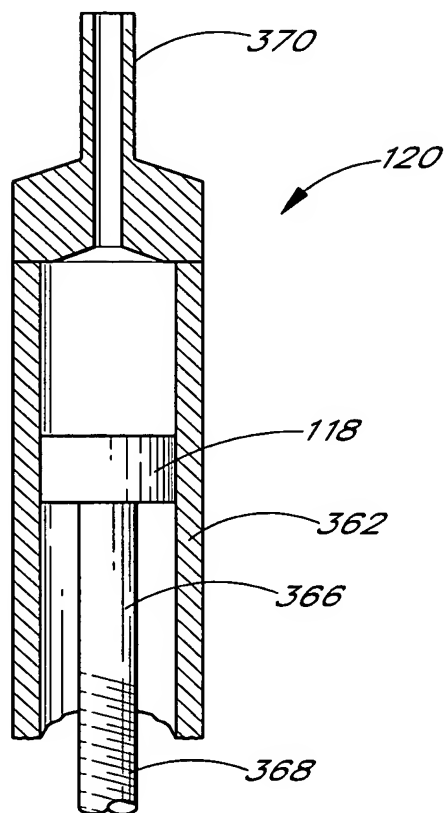
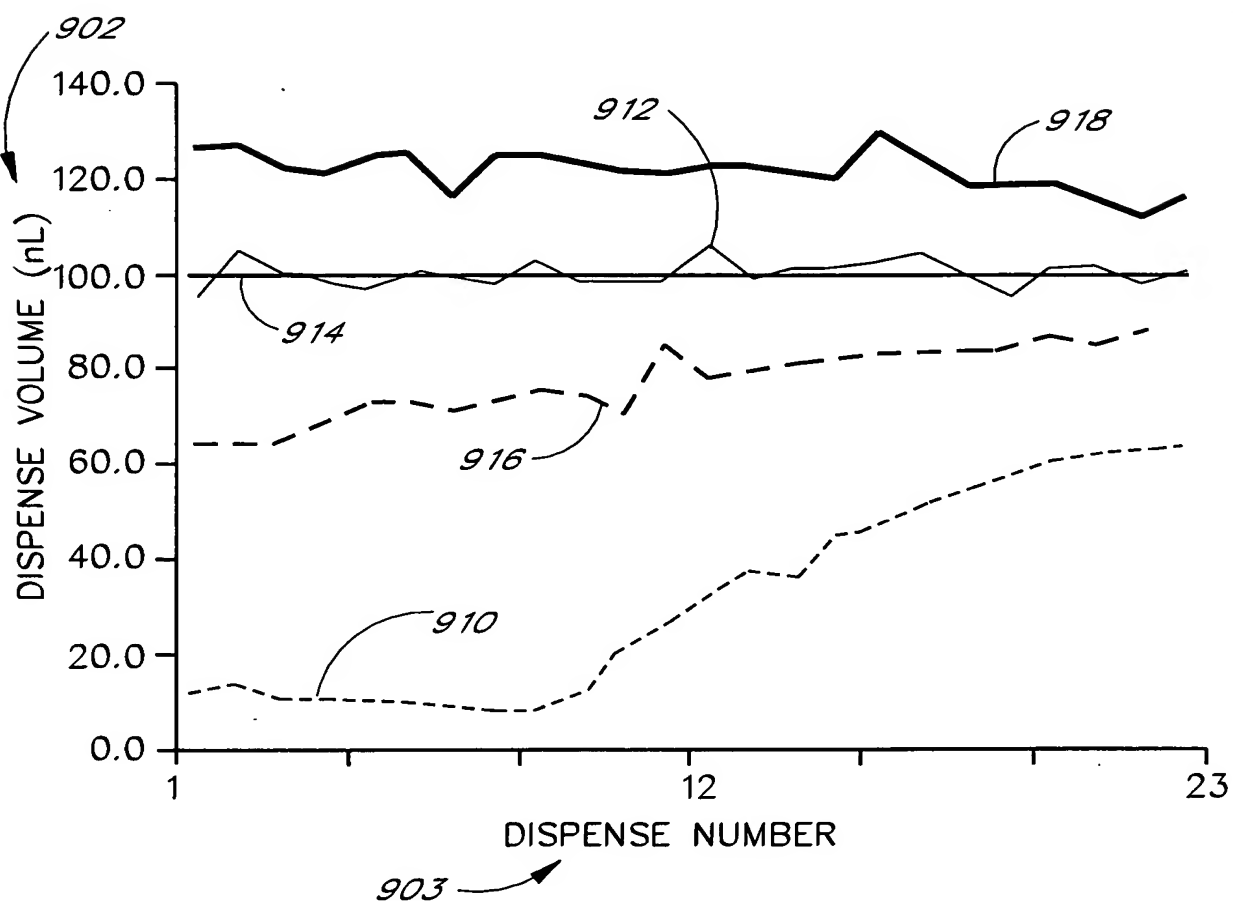


FIG. 4

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- TARGET DISPENSE
- - - - - 2 μ L PRE-PRESSURIZATION (200 STEPS)
- 3 μ L PRE-PRESSURIZATION (300 STEPS)
- 4 μ L PRE-PRESSURIZATION (400 STEPS)
- - - - - NO PRE-PRESSURIZATION

FIG. 5

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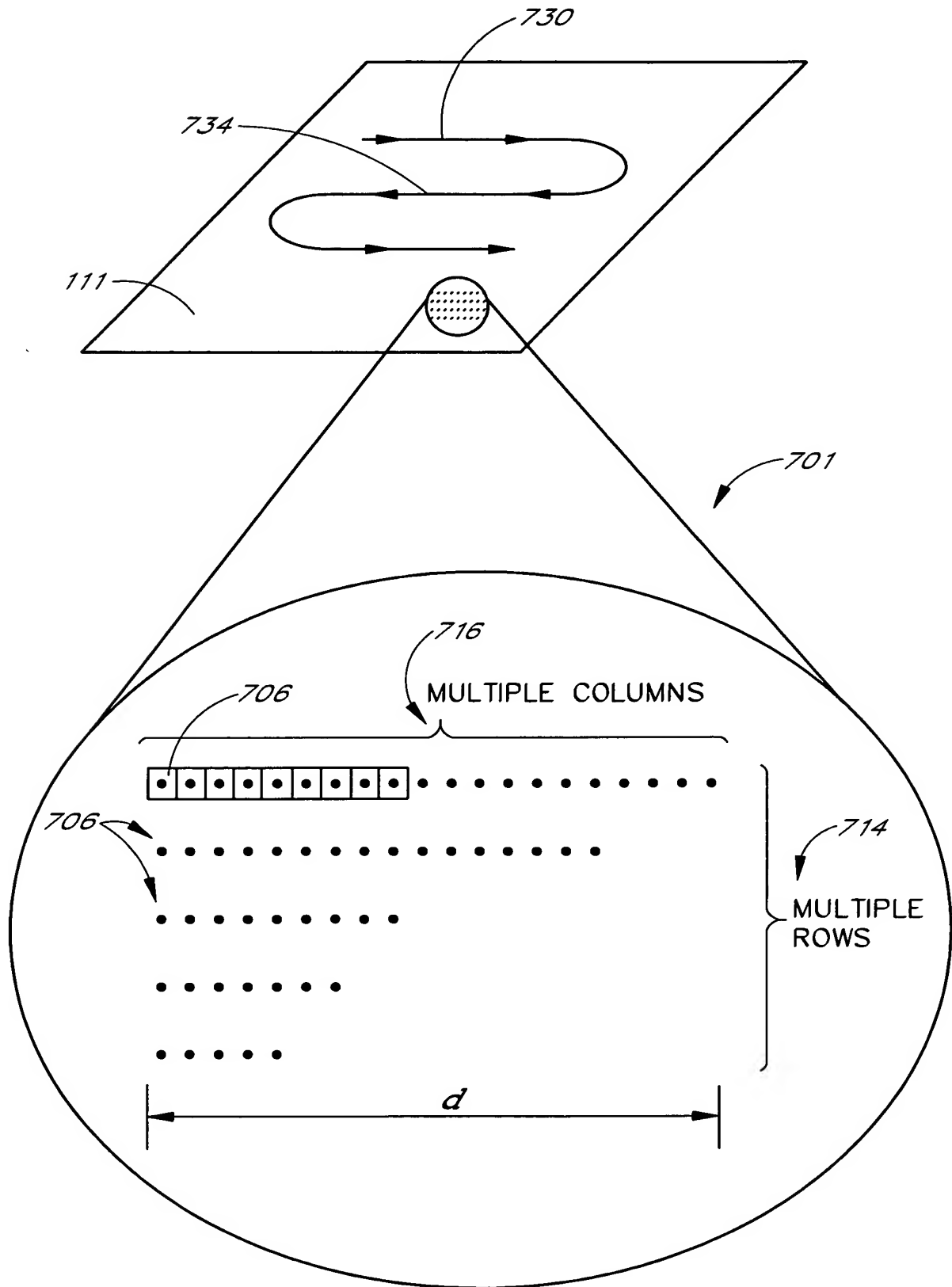


FIG. 6

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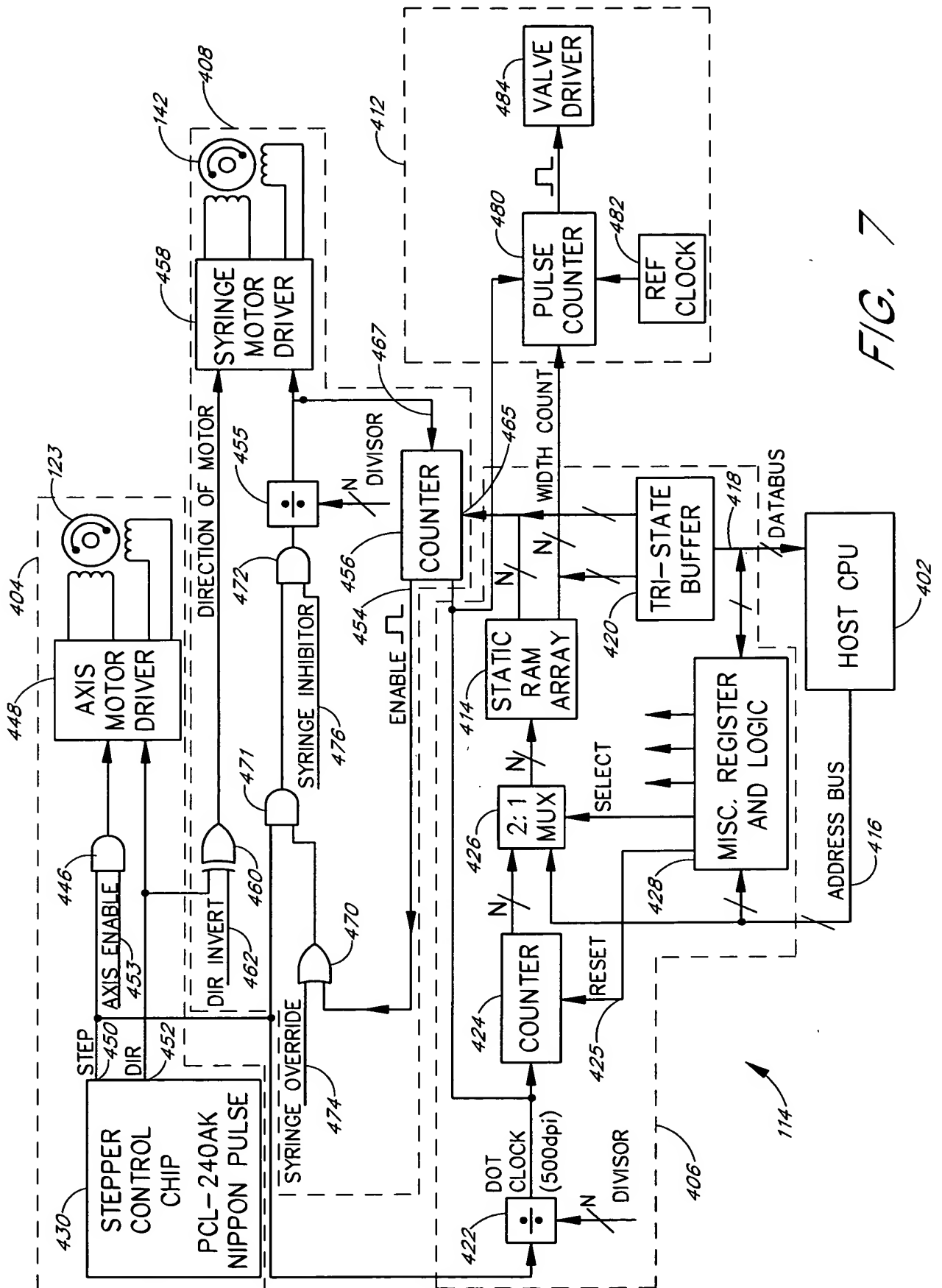


FIG. 7

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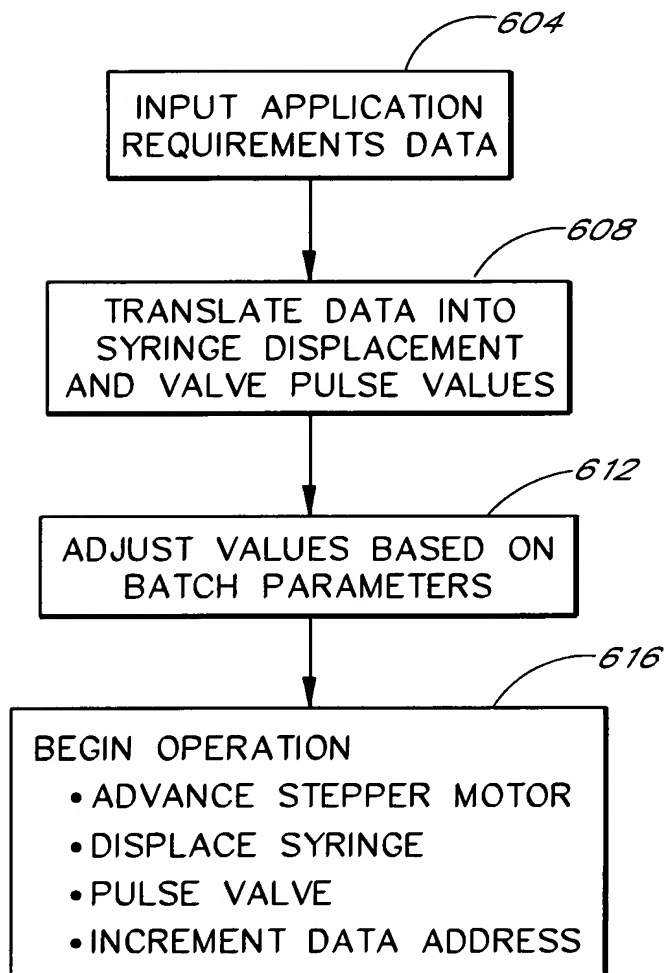


FIG. 8

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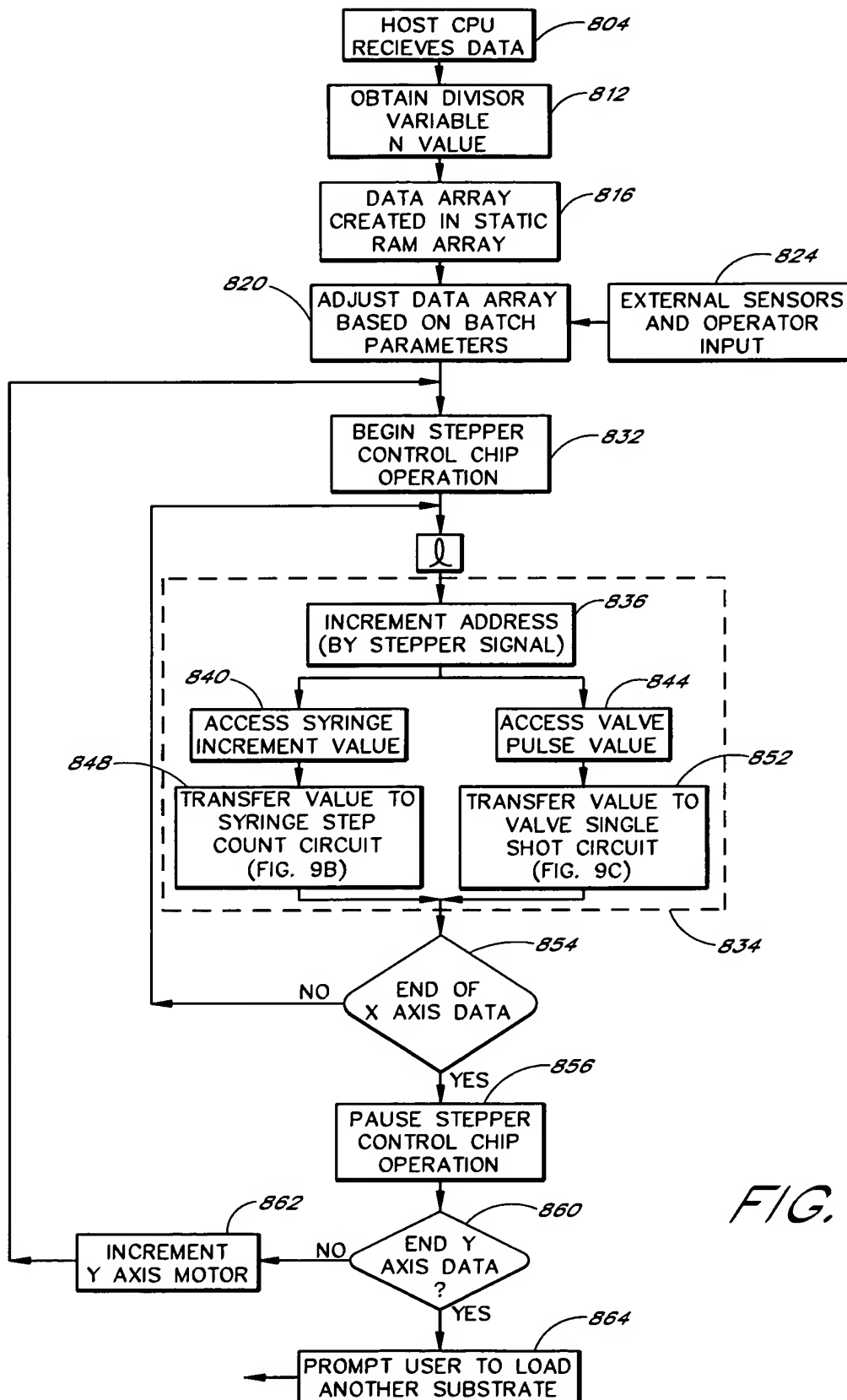


FIG. 9A

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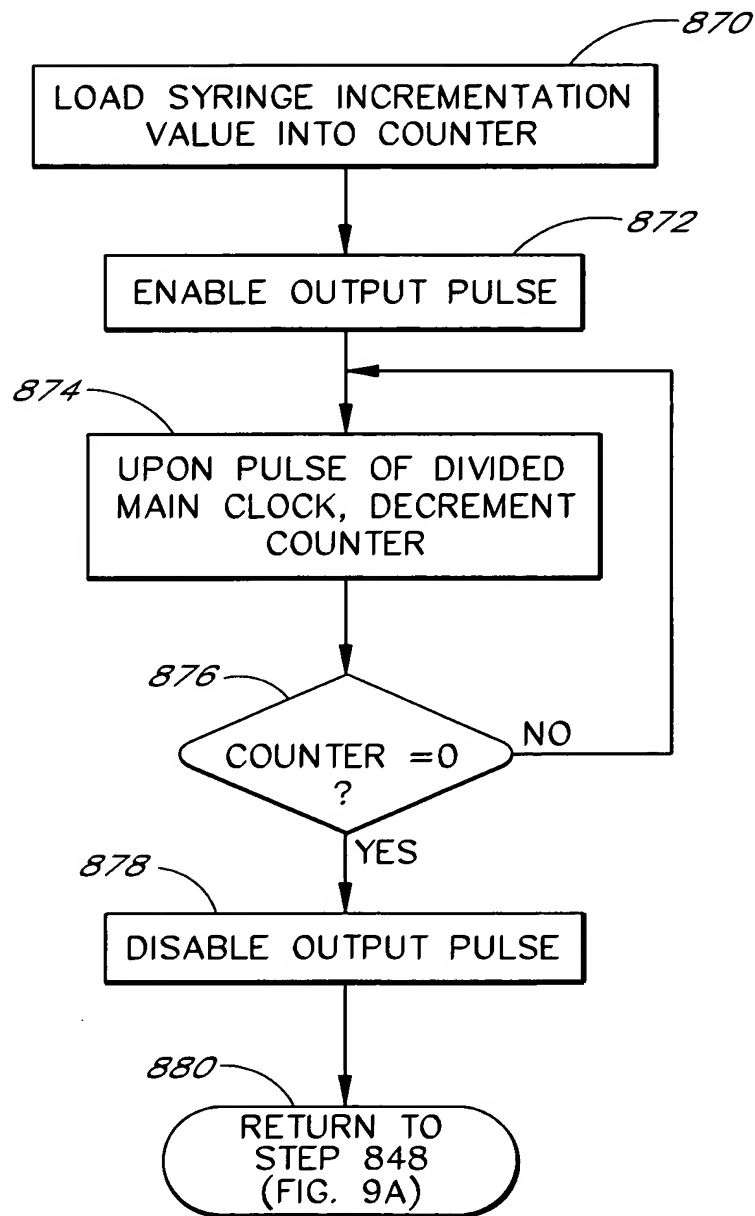


FIG. 9B

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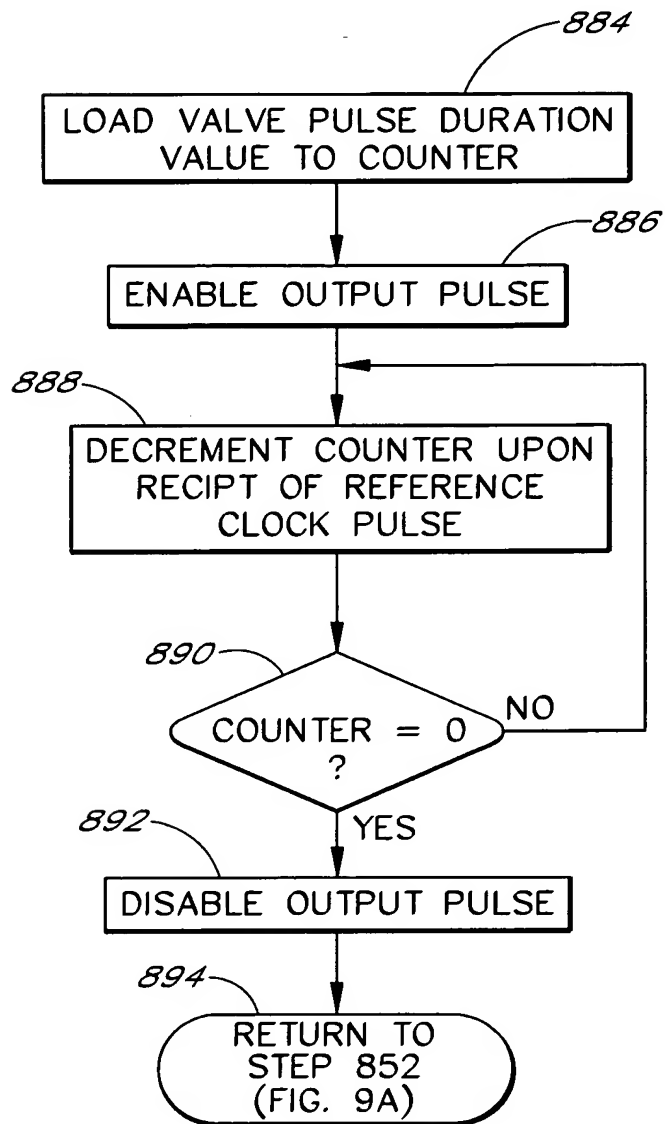


FIG. 9C

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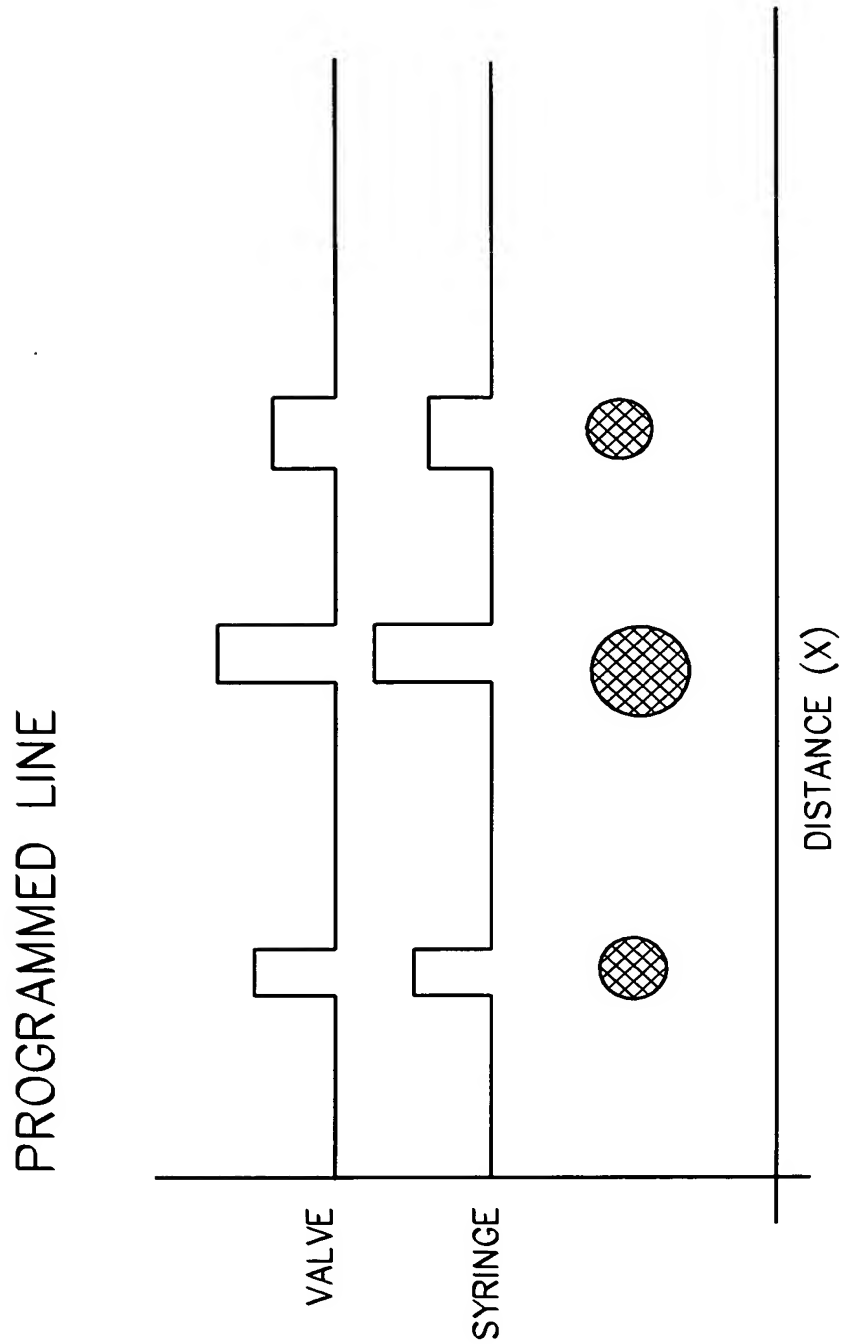
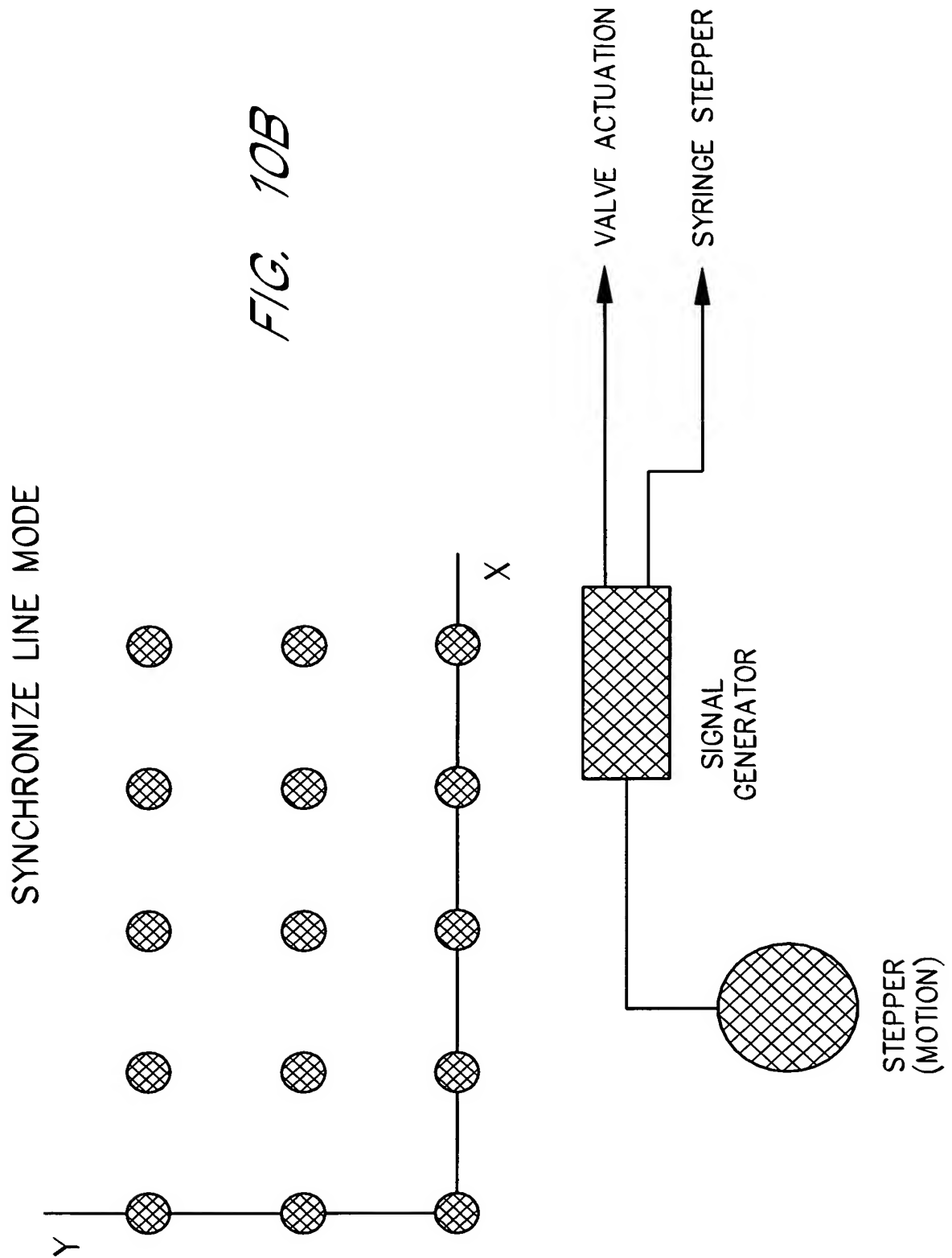


FIG. 10A

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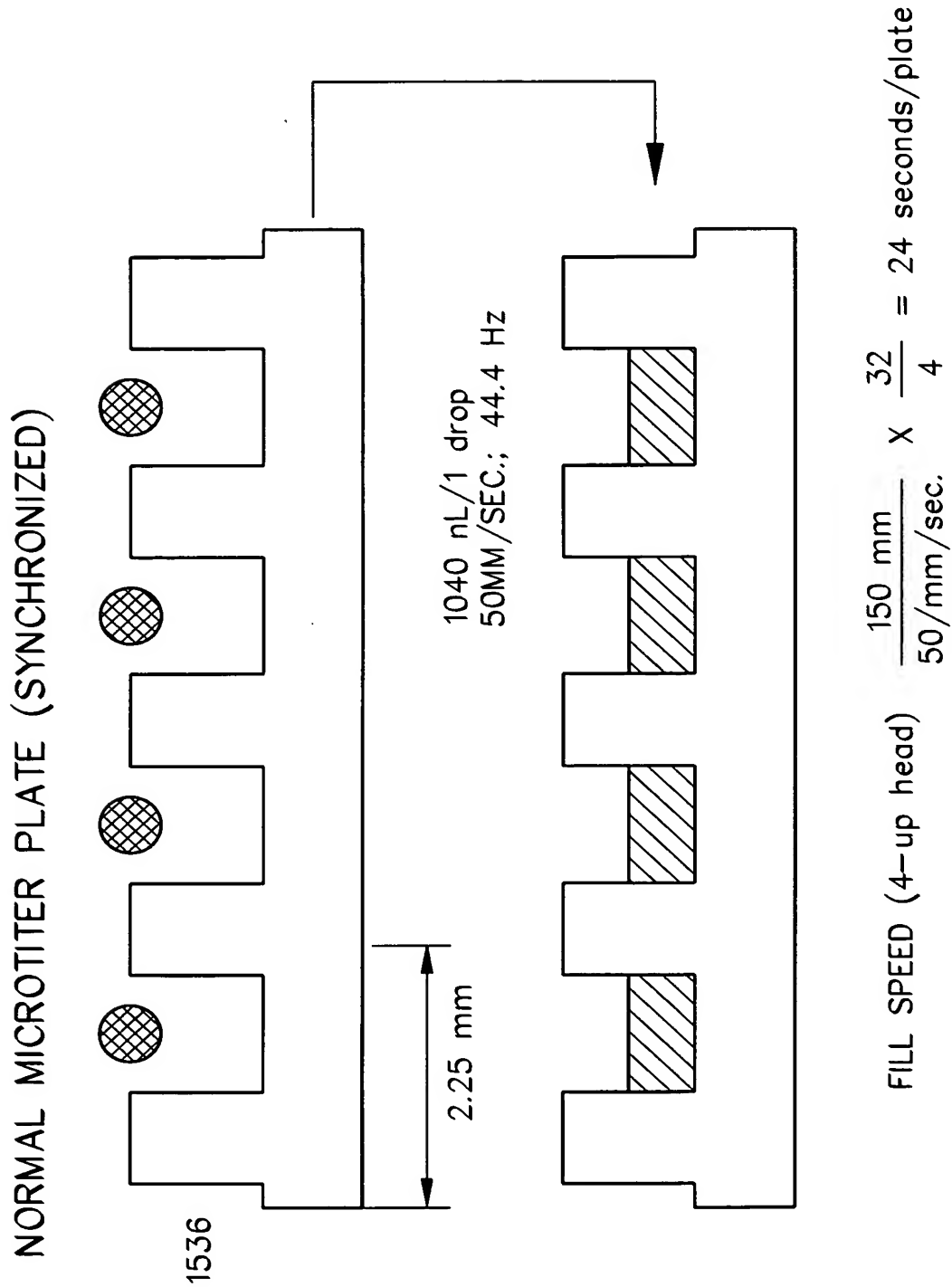
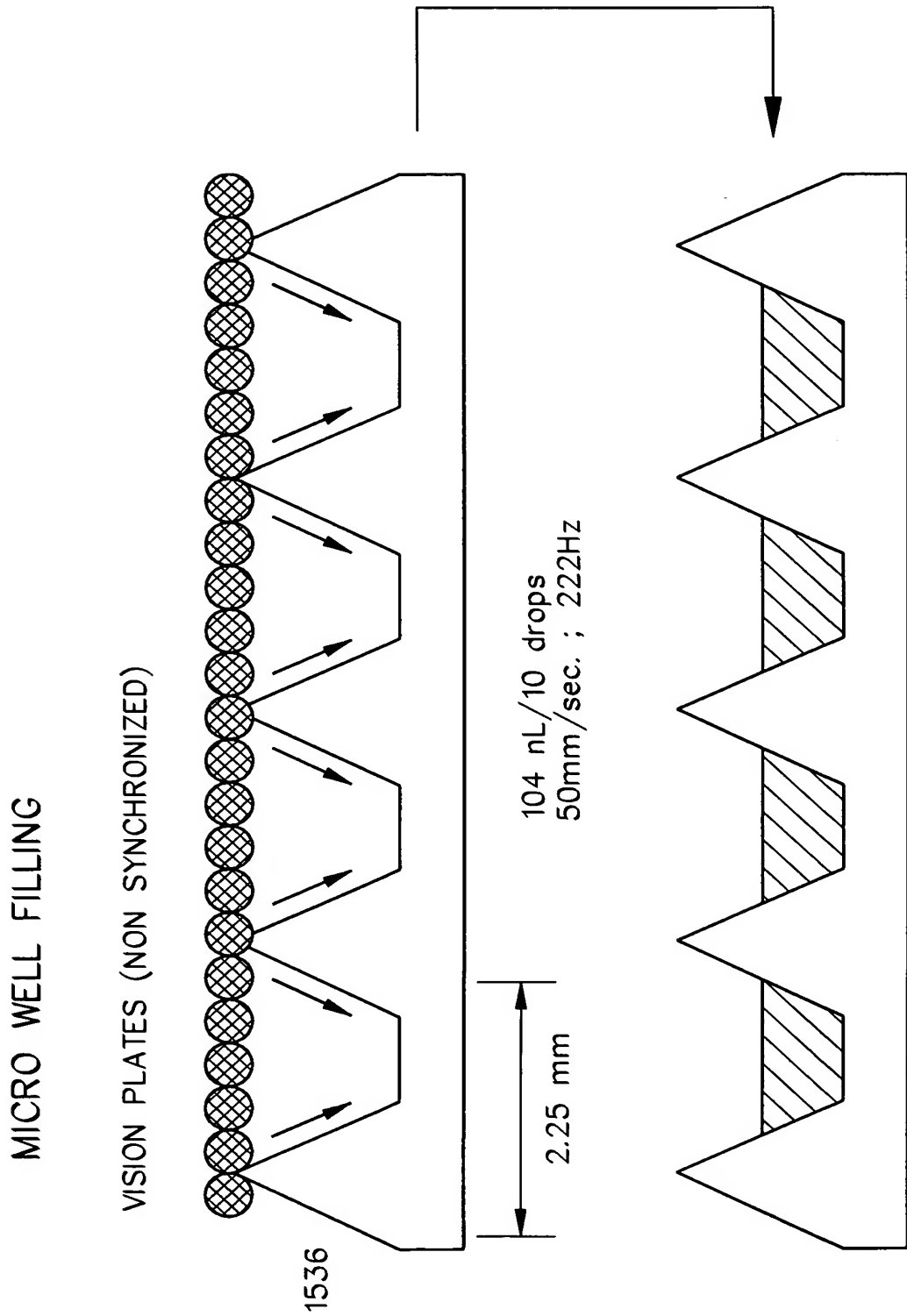


FIG. 10C

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MAPPING

nQUAD, LINE MODE: 1:1 TRANSFORMATION MTP ->ARRAY

PINS/nQUAD, DOT MODE: 9/4.5 mm OFF SETS MAINTAINED ON ARRAY

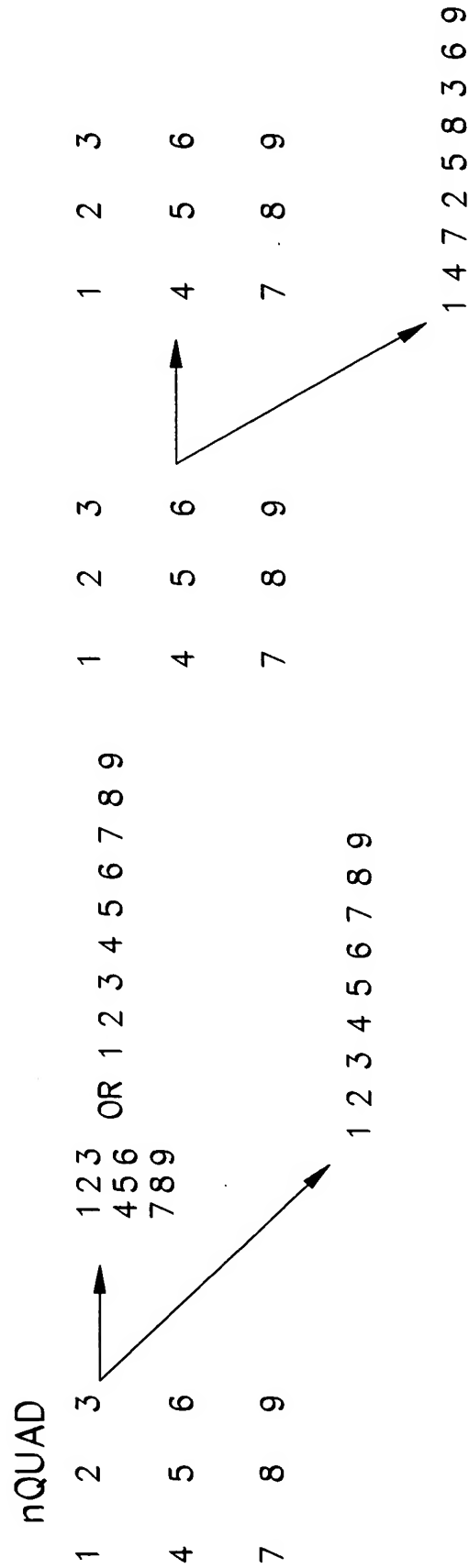


FIG. 10E

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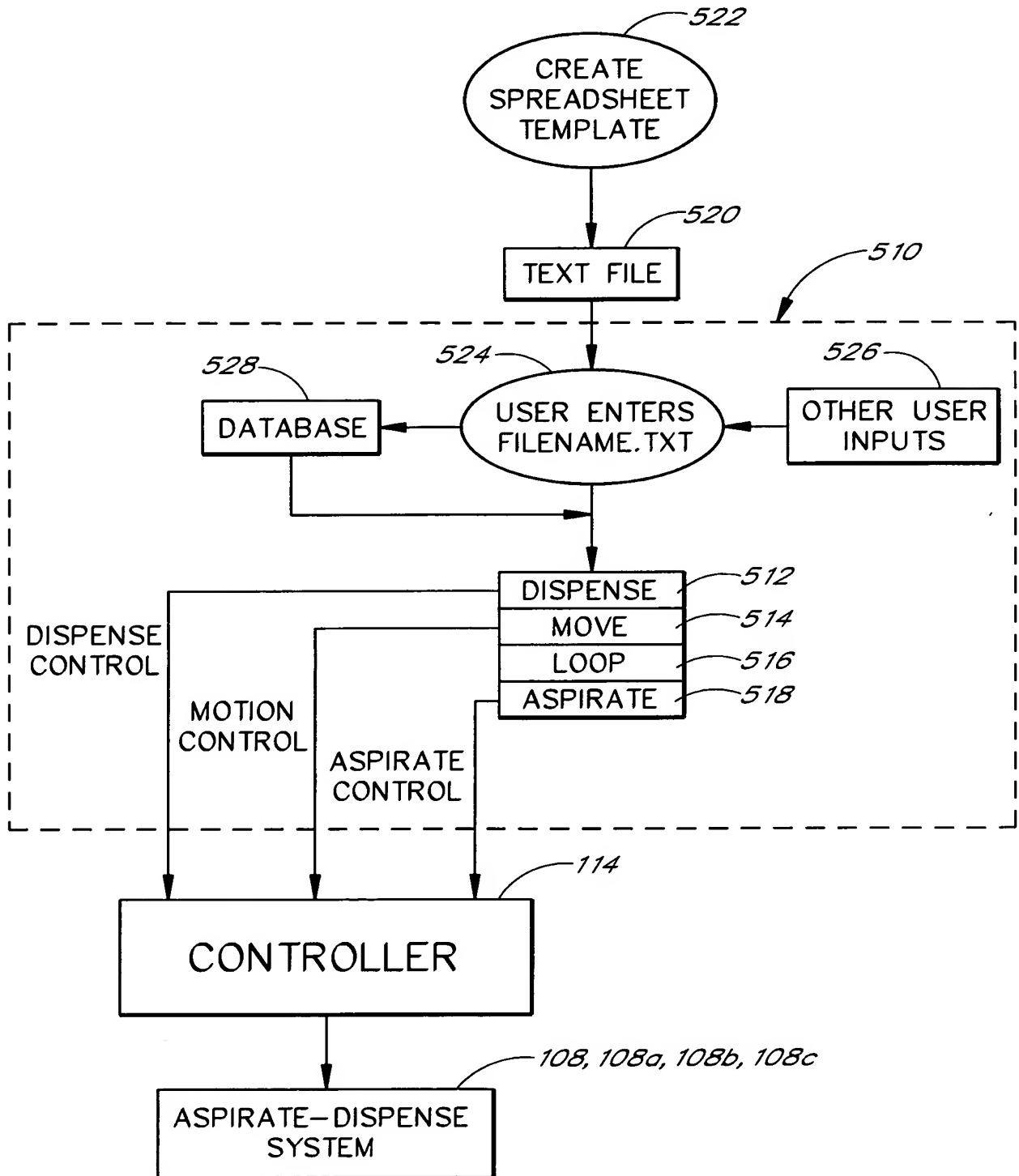


FIG. 11

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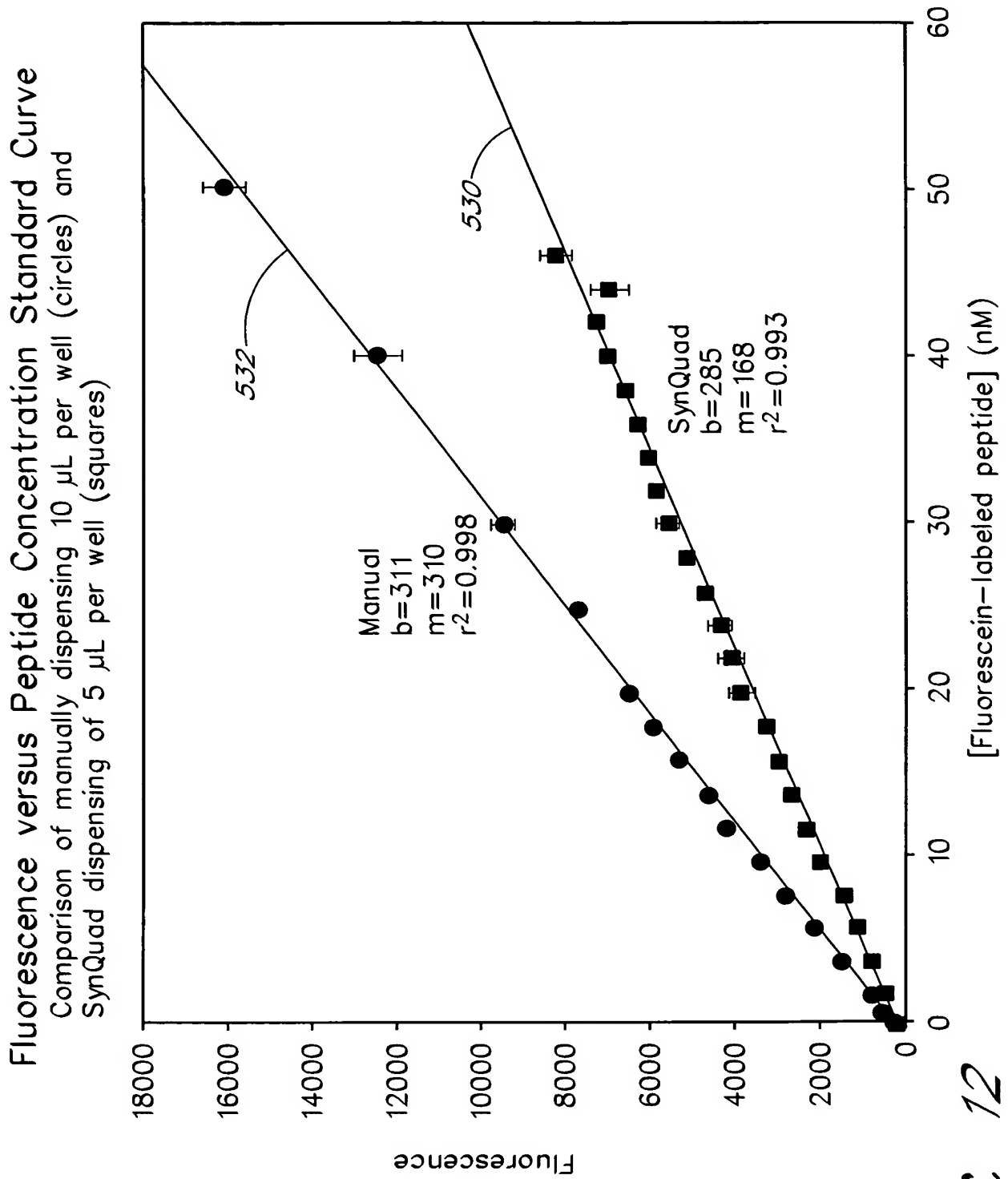


FIG. 12

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Peptide Binding to Protein

Solutions dispensed by SynQuad

5 μ L total volume

Average %CV across plate = 4

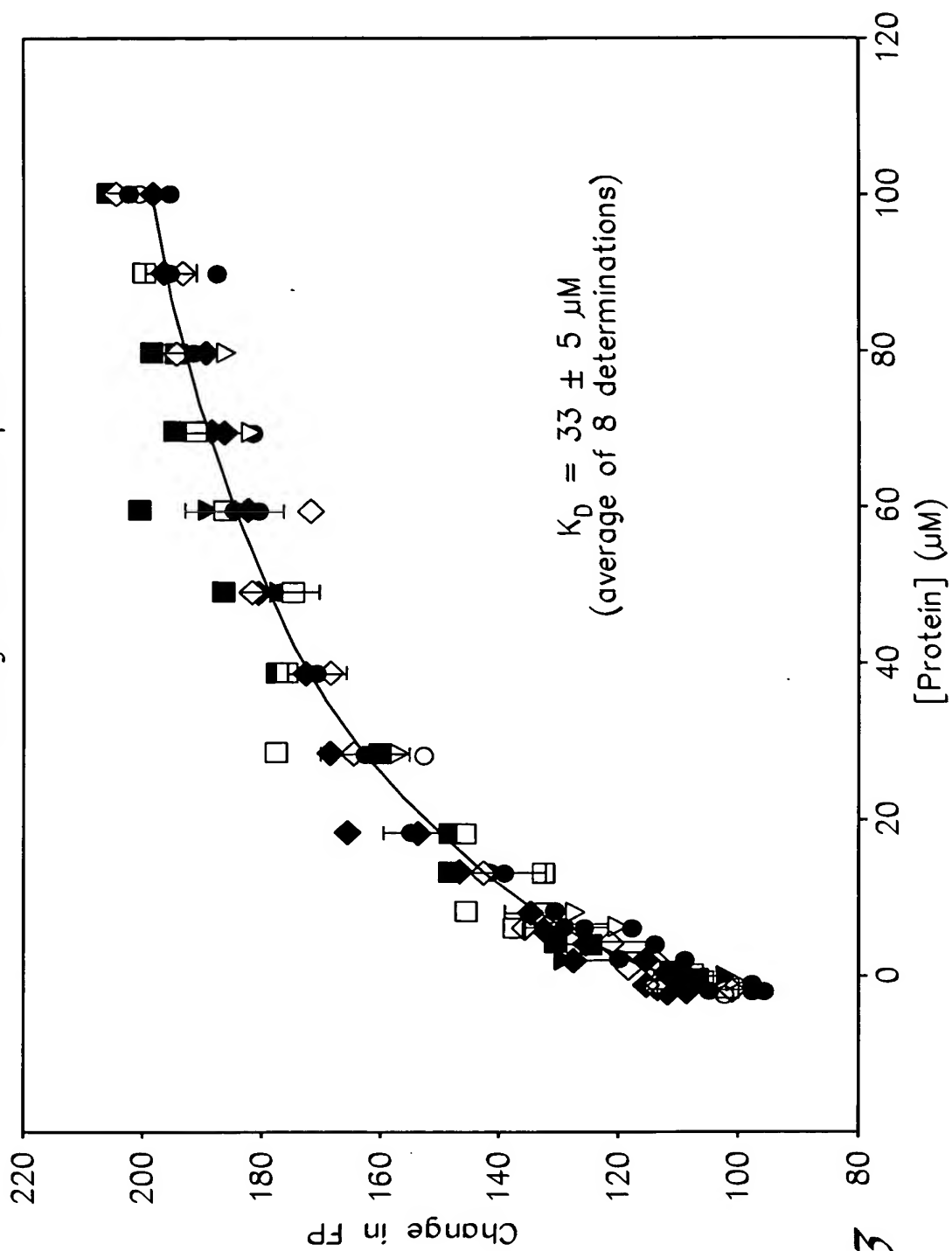


FIG. 13

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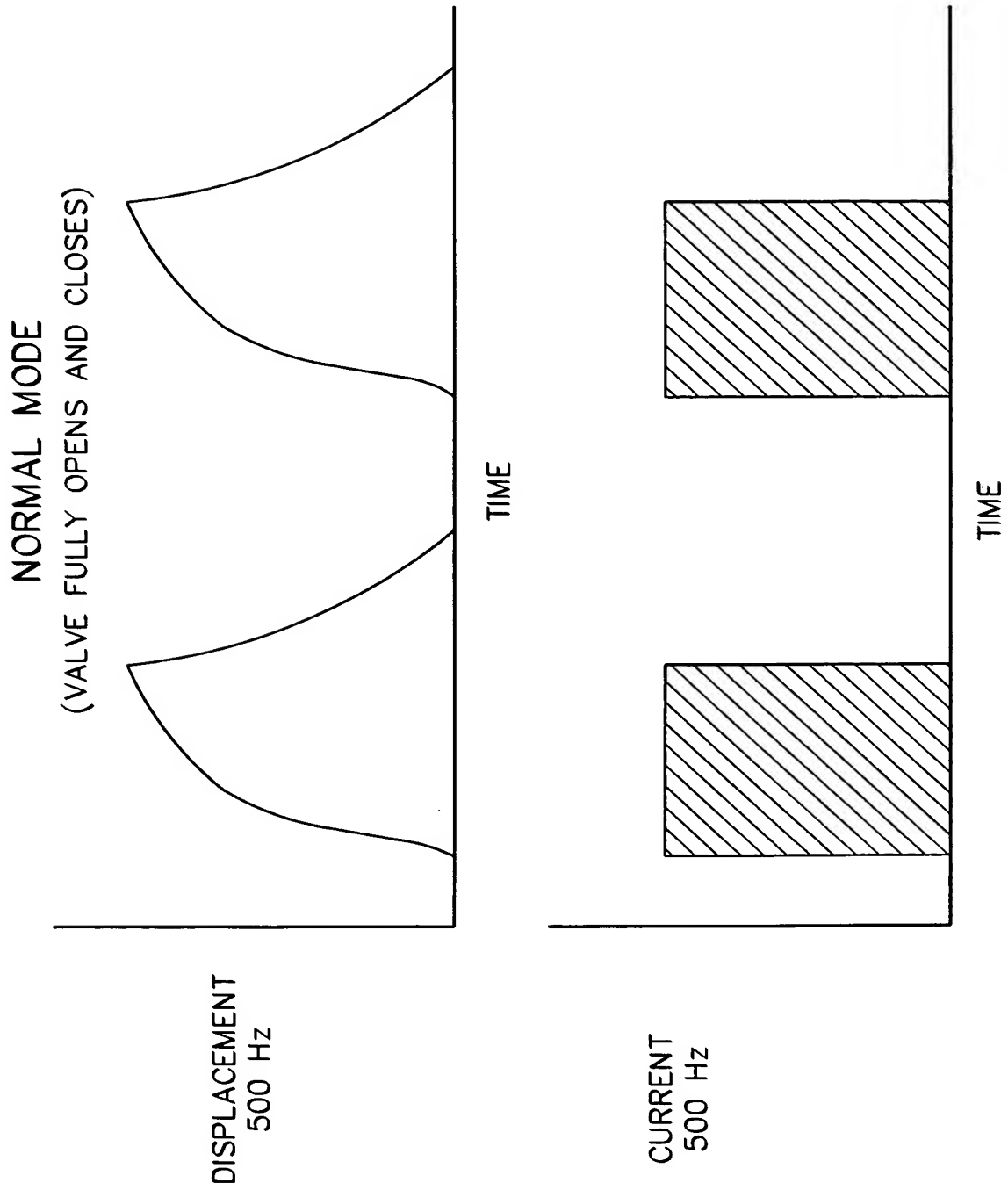


FIG. 14A

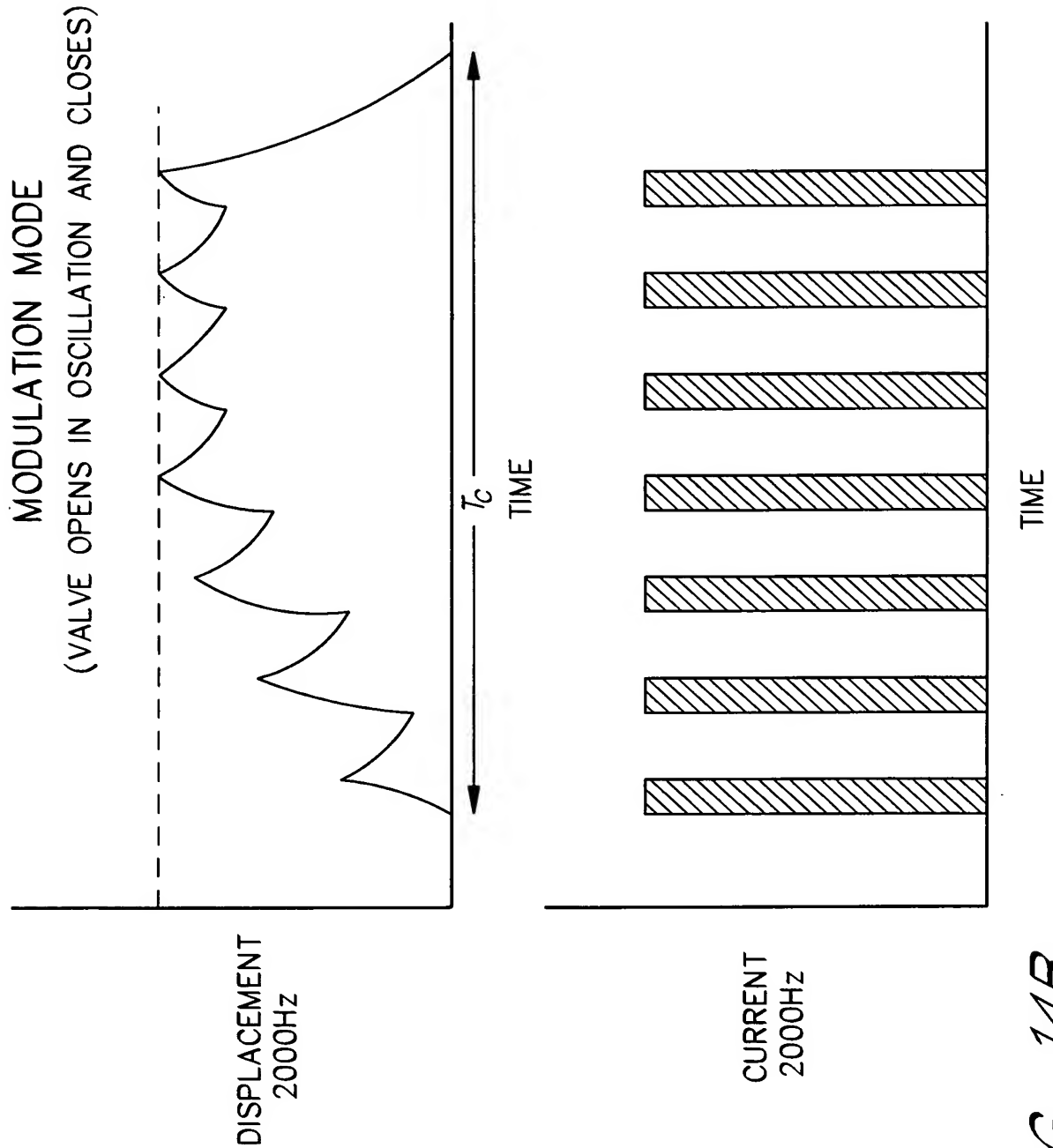


FIG. 14B

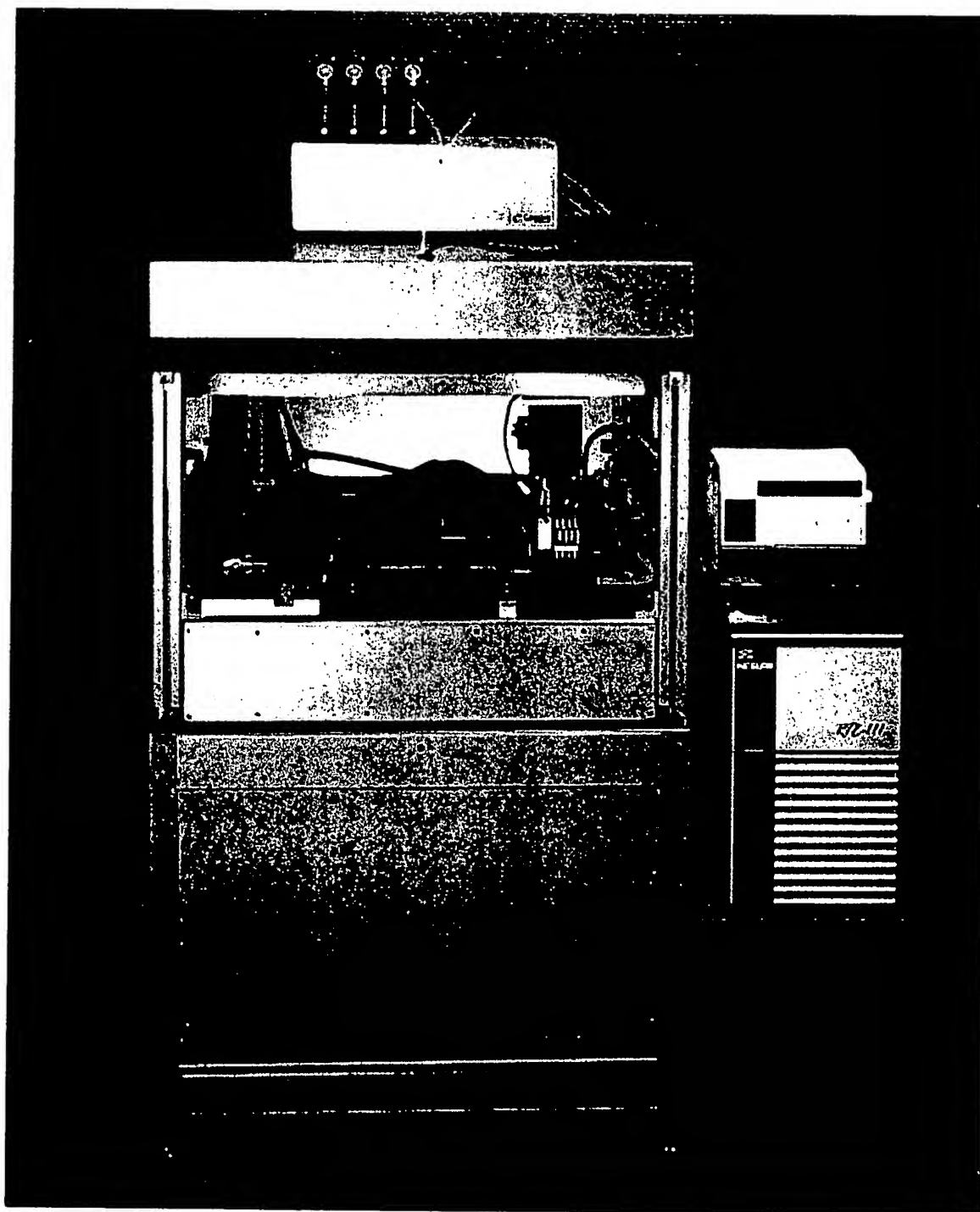


FIG. 15

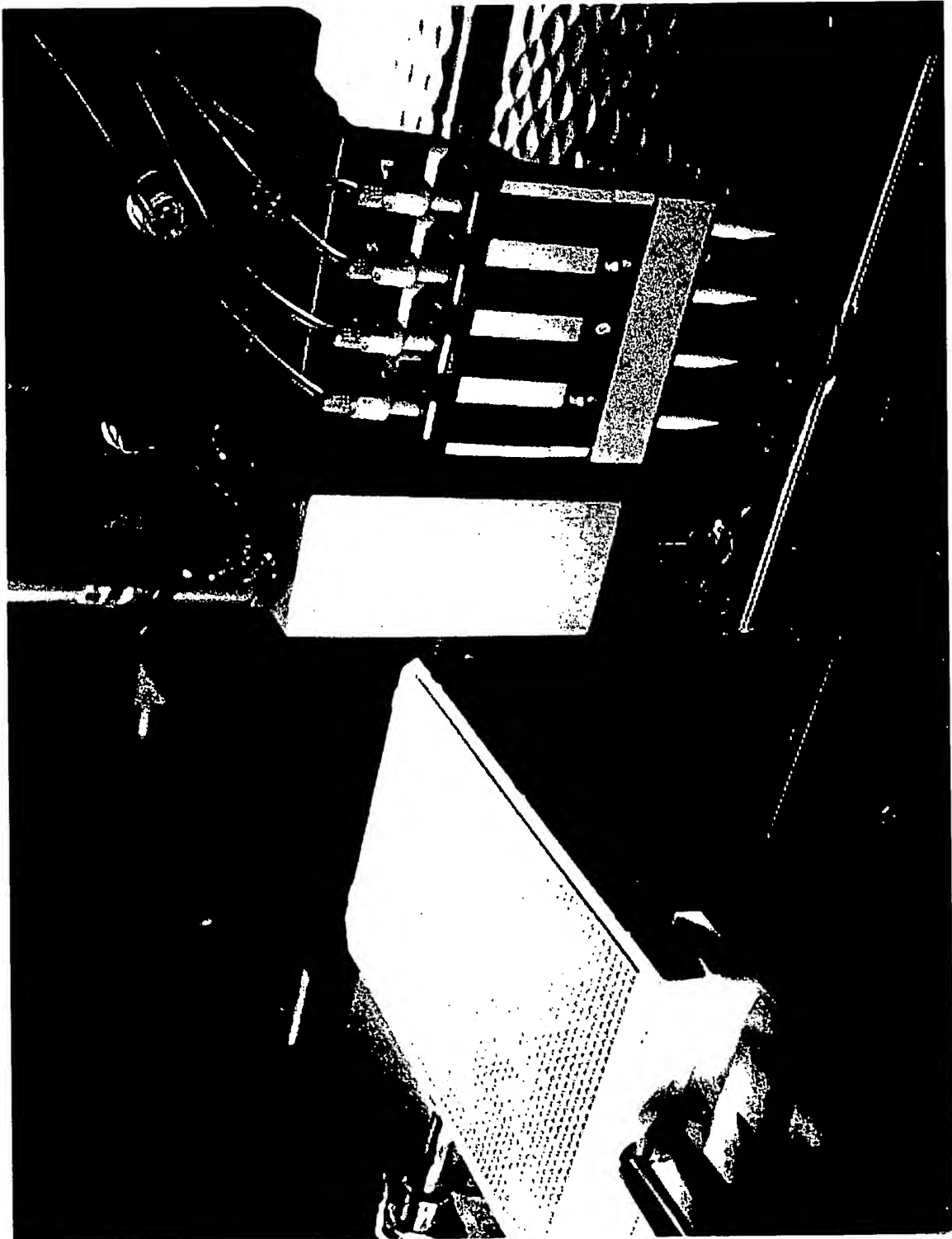


FIG. 16

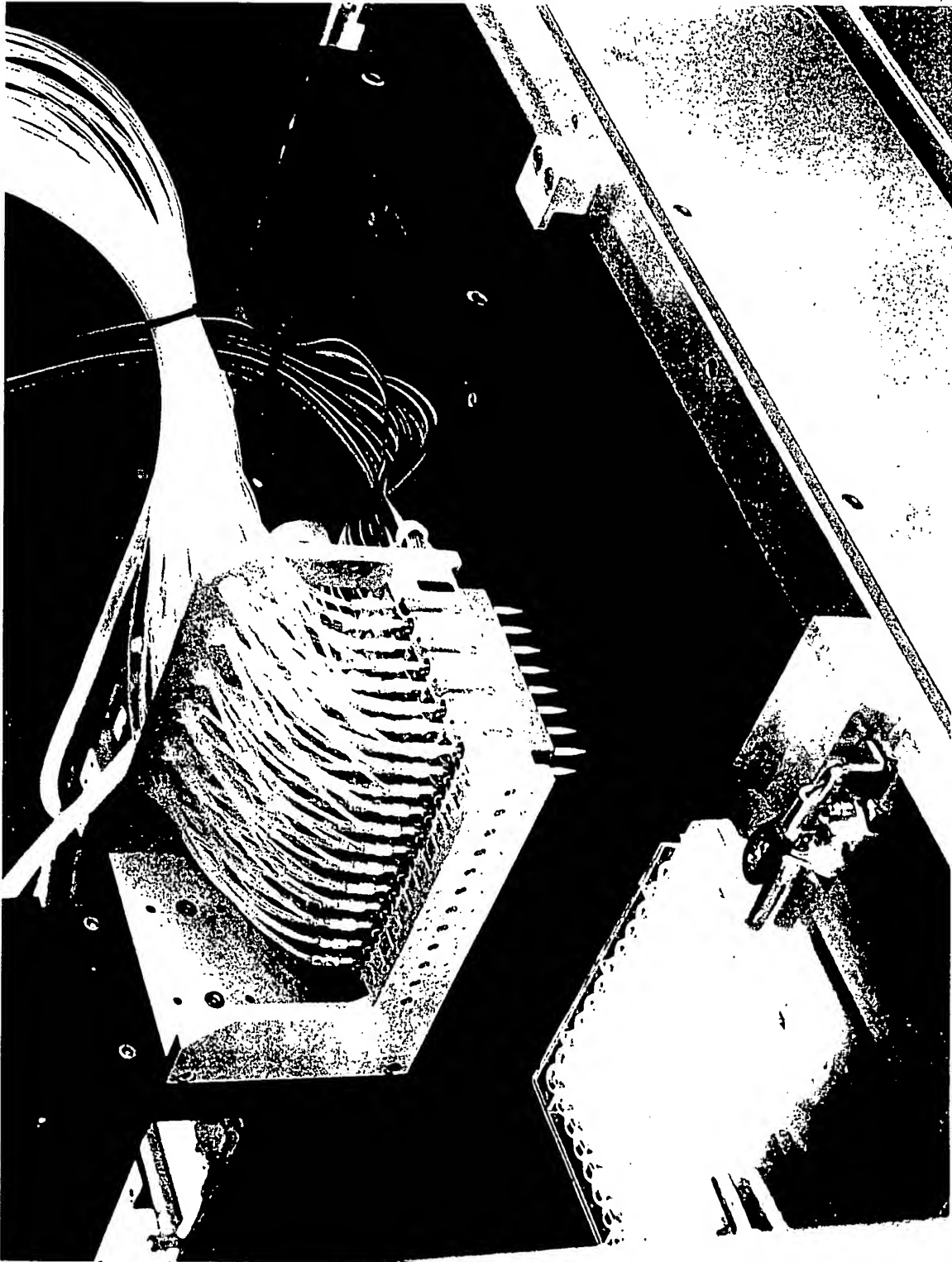


FIG. 17

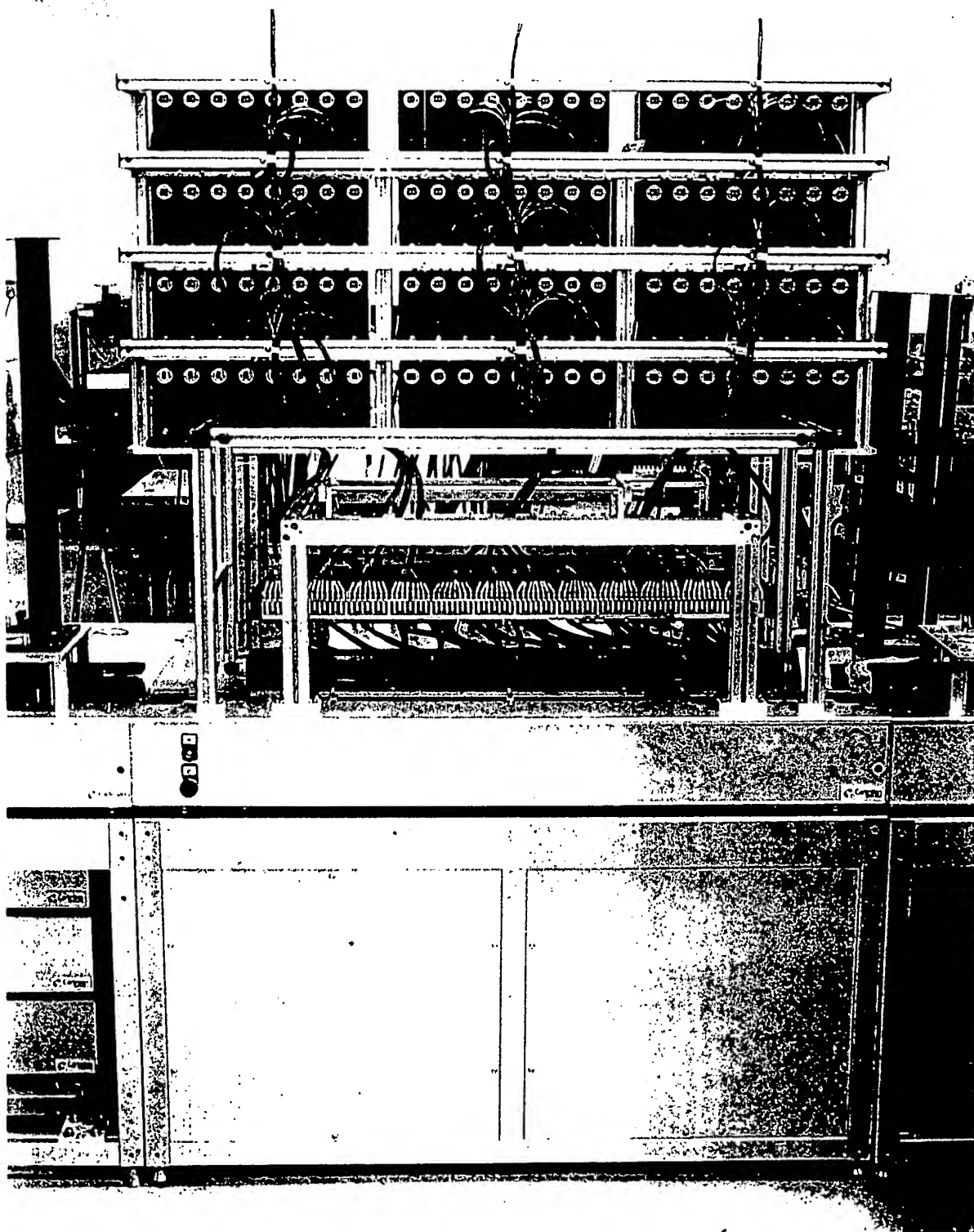


FIG. 18

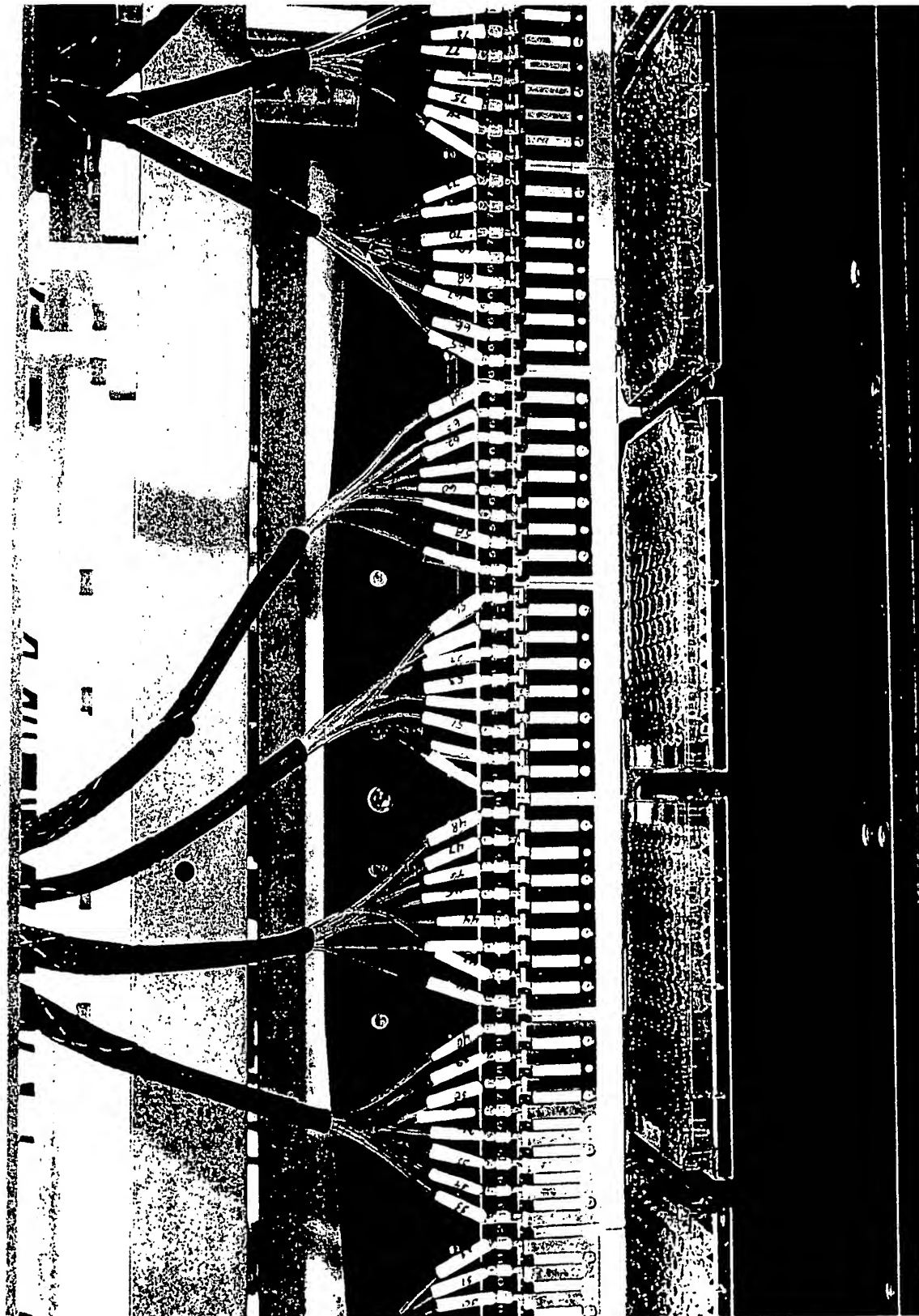


FIG. 19